

**Patient:** Ortega, Leopoldo **DOB:** 08/23/1974 **Tel:** 951-805-4136

**Lab:** VITAMIN D, 1,25 DIHYDROXY LC/MS/MS **Date:** 2013-11-08

Name	Value	Reference Range
VITAMIN D, 1,25 (OH) <sub>2</sub> , TOTAL	50	18-72 pg/mL
VITAMIN D <sub>3</sub> , 1,25 (OH) <sub>2</sub>	50	pg/mL
VITAMIN D <sub>2</sub> , 1,25 (OH) <sub>2</sub>	<8	pg/mL

Vitamin D<sub>2</sub>, 1,25 (OH)<sub>2</sub>: Reference ranges are established for total 1,25-dihydroxy vitamin D. Values for subcomponents D<sub>2</sub> (derived from plant or fungal sources) and D<sub>3</sub> (derived from human or animal sources) are provided for informational purposes only.

This test(s) was developed and its performance characteristics have been determined by Quest Diagnostics Nichols Institute, Valencia, CA. Performance characteristics refer to the analytical performance of the test.

**\*Notes:**

FASTING

AN UPDATE OR CORRECTION HAS BEEN MADE TO NAME  
PERFORMING LAB: SLI, Quest Diagnostics-Nichols Valencia, 27027 Tourney Rd, Valencia, CA, 91355-5386 - Basel Kashlan MD, FCAP

**Lab:** PSA, TOTAL WITH REFLEX TO PSA, FREE **Date:** 2013-11-08

Name	Value	Reference Range
TOTAL PSA	2.0	< OR = 4.0 ng/mL

This test was performed using the Beckman Coulter immunoassay method. Values obtained with other assay methods cannot be used interchangeably. PSA levels, regardless of value, should not be interpreted as absolute evidence of the presence or absence of disease.

**\*Notes:**

FASTING

AN UPDATE OR CORRECTION HAS BEEN MADE TO NAME  
PERFORMING LAB: EN, Quest Diagnostics-West Hills, 8401 Fallbrook Ave, West Hills, CA, 91304-3226 - Gordon L Love M.D.

**Lab:** LIPID PANEL **Date:** 2013-11-08

Name	Value	Reference Range
CHOLESTEROL, TOTAL	202 H	125-200 mg/dL
HDL CHOLESTEROL	38 L	> OR = 40 mg/dL
TRIGLYCERIDES	79	<150 mg/dL
LDL-CHOLESTEROL	148 H	<130 mg/dL (calc)

Desirable range <100 mg/dL for patients with CHD or diabetes and <70 mg/dL for diabetic patients with known heart disease.

CHOL/HDLRATIO	5.3 H	< OR = 5.0 (calc)
NON HDL CHOLESTEROL	164 H	mg/dL (calc)

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Target for non-HDL cholesterol is 30 mg/dL higher than LDL cholesterol target.

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PERFORMING LAB: EN, Quest Diagnostics-West Hills, 8401 Fallbrook Ave, West Hills, CA, 91304-3226 - Gordon L Love M.D.

**Lab:** TESTOSTERONE, FREE AND TOTAL, LC/MS/MS **Date:** 2013-11-08

Name	Value	Reference Range
TESTOSTERONE, TOTAL, LC/MS/MS	368	250-1100 ng/dL
FREE TESTOSTERONE	65.8	35.0-155.0 pg/mL

**\*Notes:**

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PERFORMING LAB: SLI, Quest Diagnostics-Nichols Valencia, 27027 Tourney Rd, Valencia, CA, 91355-5386 - Basel Kashlan MD,FCAP

**Lab:** AST **Date:** 2013-11-08

Name	Value	Reference Range
AST	94 H	10-40 U/L

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PERFORMING LAB: EN, Quest Diagnostics-West Hills, 8401 Fallbrook Ave, West Hills, CA, 91304-3226 - Gordon L Love M.D.

**Lab:** ALT **Date:** 2013-11-08

Name	Value	Reference Range
ALT	70 H	9-46 U/L

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PERFORMING LAB: EN, Quest Diagnostics-West Hills, 8401 Fallbrook Ave, West Hills, CA, 91304-3226 - Gordon L Love M.D.

**Lab:** IGF I, LC/MS **Date:** 2013-11-08

Name	Value	Reference Range
IGF I, LC/MS	180	53-331 ng/mL
Z SCORE (MALE)	0.5	-2.0 - +2.0 SD

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San Juan Capistrano. Performance characteristics refer to the analytical performance of the test.

**\*Notes:**

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AN UPDATE OR CORRECTION HAS BEEN MADE TO NAME  
PERFORMING LAB: EZ, Quest Diagnostics/Nichols SJC-San Juan Capistrano,, 33608  
Ortega Hwy, San Juan Capistrano, CA, 92675-2042 - Jon Nakamoto MD,PhD

**Lab: ESTRADIOL**

**Date: 2013-11-08**

Name	Value	Reference Range
ESTRADIOL	24	< OR = 39 pg/mL

Reference range established on post-pubertal patient population. No pre-pubertal reference range established using this assay. For any patients for whom low Estradiol levels are anticipated (e.g. males, pre-pubertal children and hypogonadal/post-menopausal females), the Quest Diagnostics Nichols Institute Estradiol, Ultrasensitive, LCMSMS assay is recommended (order code 30289).

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**Lab: PROGESTERONE**

**Date: 2013-11-08**

Name	Value	Reference Range
PROGESTERONE	0.8	<1.4 ng/mL

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**Lab: GROWTH HORMONE (GH)**

**Date: 2013-11-08**

Name	Value	Reference Range
GROWTH HORMONE (GH)	0.1	< OR = 10.0 ng/mL

Because of a pulsatile secretion pattern, random (unstimulated) growth hormone (GH) levels are frequently undetectable in normal children and adults and are not reliable for diagnosing GH deficiency. Regarding suppression tests, failure to suppress GH is diagnostic of acromegaly.

Typical GH response in healthy subjects:  
Using the glucose tolerance (GH suppression) test, acromegaly is ruled out if the patient's GH level is <0.4 ng/mL at any point in the timed sequence.

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Using GH stimulation testing, the following result at any point in the timed sequence makes GH deficiency unlikely:

Adults (> or = 20 years):

Insulin Hypoglycemia > or = 5.1 ng/mL

Arginine/GHRH > or = 4.1 ng/mL

Children (< 20 years):

All Stimulation Tests > or = 10.0 ng/mL

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**Lab: PROLACTIN**

**Date: 2013-11-08**

<b>Name</b>	<b>Value</b>	<b>Reference Range</b>
PROLACTIN	3.5	2.0-18.0 ng/mL

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